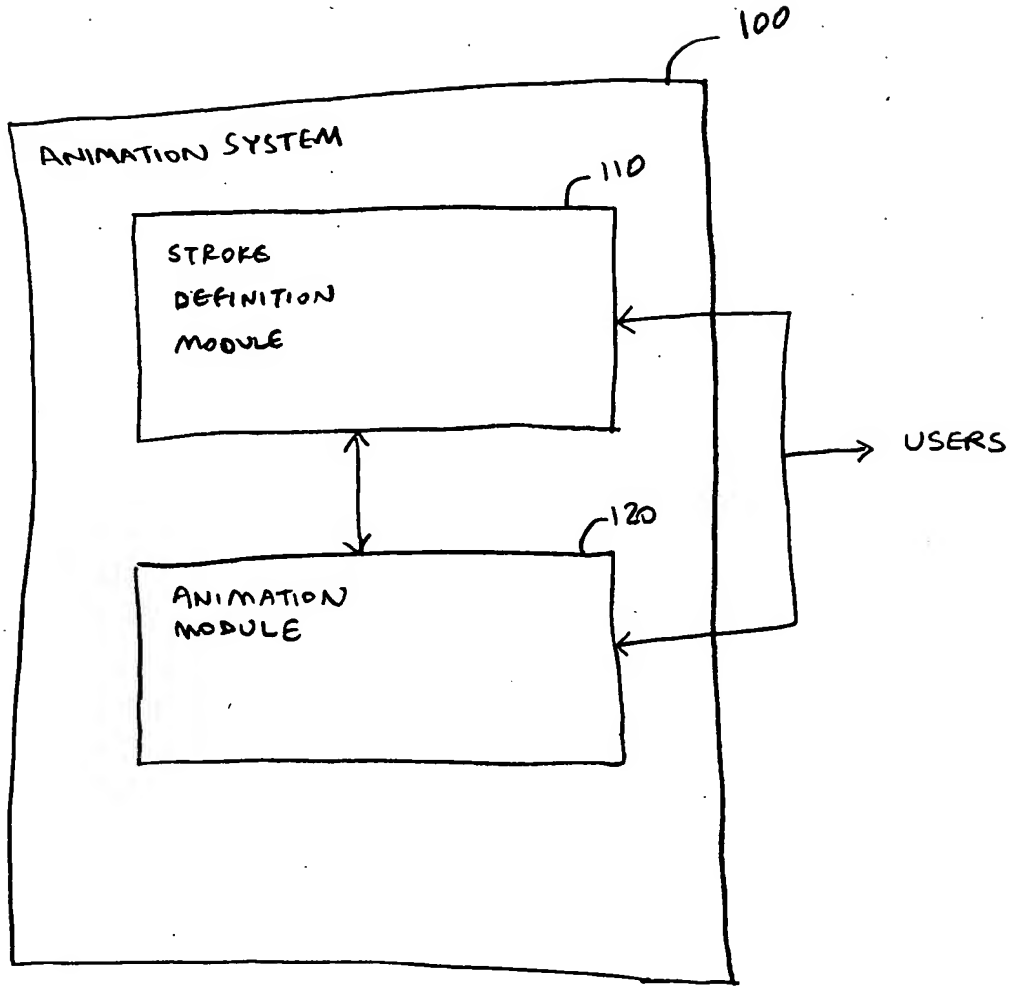
100
ANIMATION SYSTEM
110
STROKE
DEFINITION
MODULE
USERS
120
ANIMATION
MODULE

FIG. 1

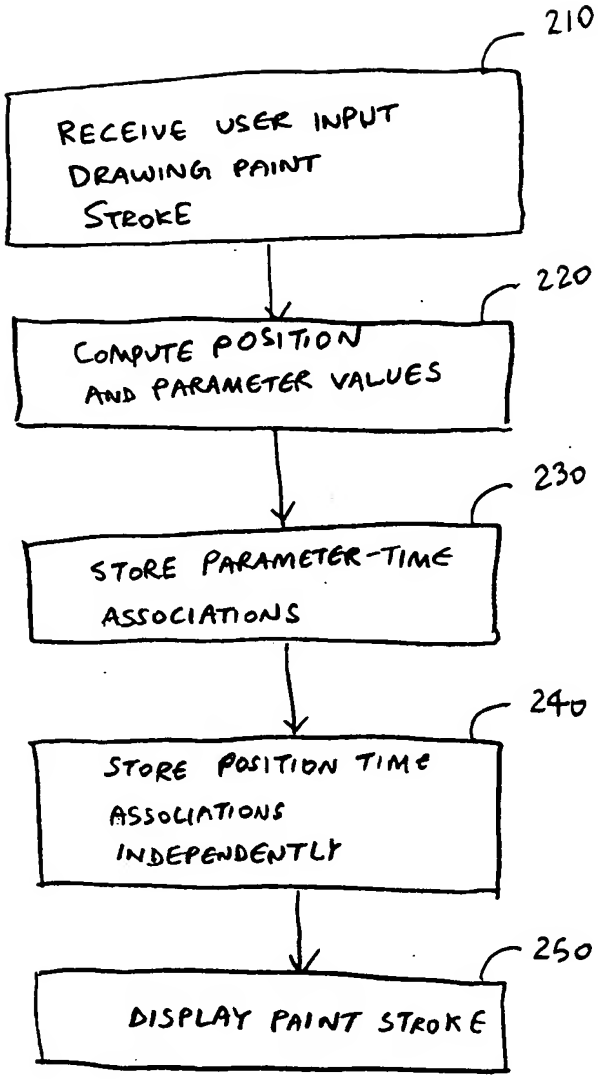
210
RECEIVE USER INPUT DRAWING PAINT STROKE
220
COMPUTE POSITION AND PARAMETER VALUES
230
STORE PARAMETER-TIME ASSOCIATIONS
240
STORE POSITION TIME ASSOCIATIONS INDEPENDENTLY
250
DISPLAY PAINT STROKE

FIG. 2

STROKE THICKNESS VALUES

310

0	0
0.03030303	7.57889
0.060606061	10.8216
0.090909091	12.2654
0.121212121	12.9649
0.151515152	13.2353
0.181818182	13.2268
0.212121212	12.9178
0.242424242	12.1544
0.272727273	10.5887
0.303030303	7.01988
0.333333333	0
0.363636364	7.57889
0.393939394	10.8216
0.424242424	12.2654
0.454545455	12.9649
0.484848485	13.2353
0.515151515	13.2268
0.545454545	12.9178
0.575757576	12.1544
0.606060606	10.5887
0.636363636	7.01988
0.666666667	0
0.696969697	7.57889
0.727272727	10.8216
0.757575758	12.2654
0.787878788	12.9649
0.818181818	13.2353
0.848484848	13.2268
0.878787879	12.9178
0.909090909	12.1544
0.939393939	10.5887
0.96969697	7.01988
1	0
1.03030303	7.57889
1.060606061	10.8216
1.090909091	12.2654
1.121212121	12.9649
1.151515152	13.2353
1.181818182	13.2268
1.212121212	12.9178
1.242424242	12.1544
1.272727273	10.5887
1.303030303	7.01988
1.333333333	0
1.363636364	7.57889
1.393939394	10.8216
1.424242424	12.2654
1.454545455	12.9649
1.484848485	13.2353
1.515151515	13.2268
1.545454545	12.9178
1.575757576	12.1544
1.606060606	10.5887
1.636363636	7.01988
1.666666667	0
1.696969697	7.57889
1.727272727	10.8216
1.757575758	12.2654
1.787878788	12.9649
1.818181818	13.2353
1.848484848	13.2268
1.878787879	12.9178
1.909090909	12.1544
1.939393939	10.5887
1.96969697	7.01988
2	0

320

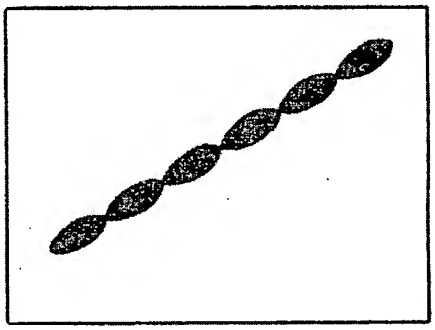

FIG. 3

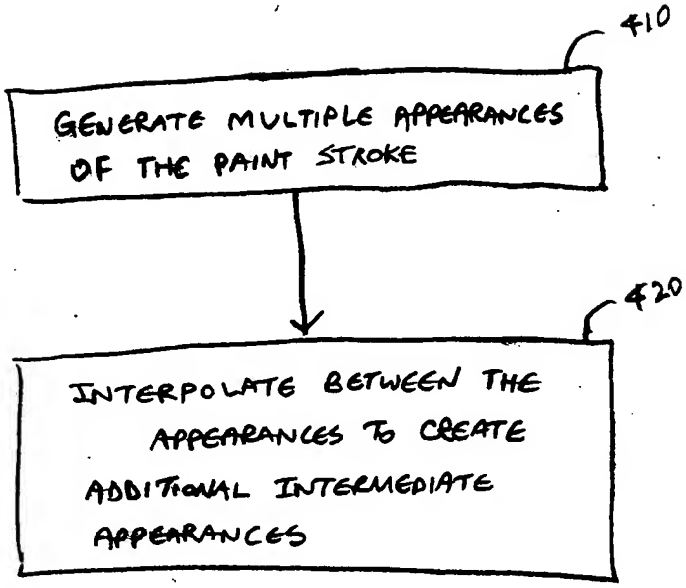
410
GENERATE MULTIPLE APPEARANCES OF THE PAINT STROKE
420
INTERPOLATE BETWEEN THE APPEARANCES TO CREATE ADDITIONAL INTERMEDIATE APPEARANCES

FIG. 4

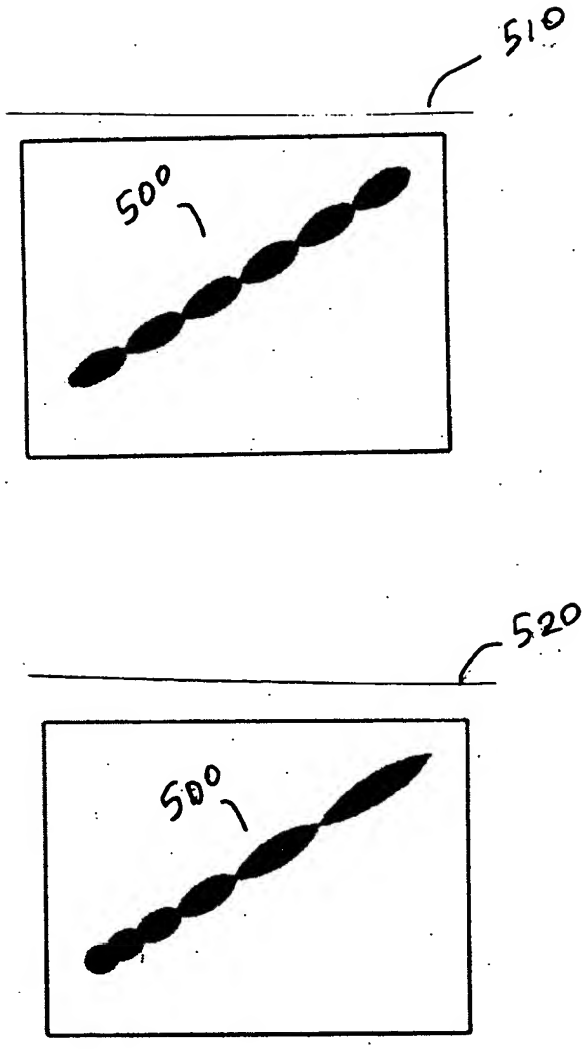

FIG. 5

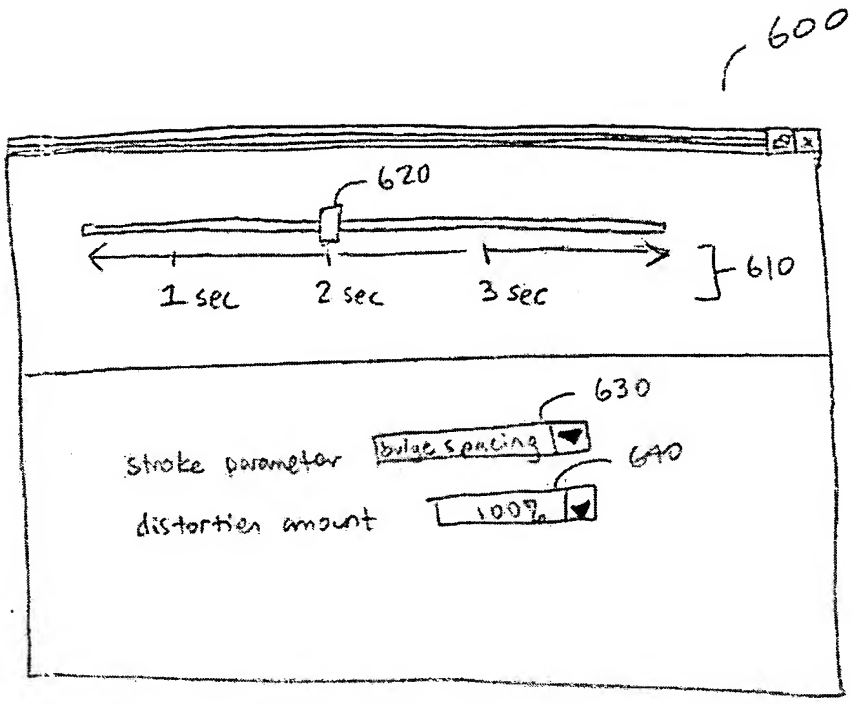
600
620
1 sec
2 sec
3 sec
610
630
Stroke parameter
bulge spacing
640
distortion amount
100%

FIG. 6